Section B Transportation and Consumer Expenditures

Table 3-7

Passenger and Freight Transportation Expenditures (Current \$ millions)

	1960	1965	1970	1975	1980	1985	1990	1995	1996	1997	^P 1998
Passenger transportation											
Highway											
Auto purchases and ownership ^{a,f}	^R 53,659	71,628	^R 94,963	^R 152,256	R _{269,220}	R426,766	^R 507,922	^R 634,049	647,716	^R 700,572	722,624
Local											
Bus and transit ^b	1,337	1,454	1,841	4,697	9,297	13,548	16,651	21,572	21,239	21,282	21,430
Taxi	^R 870	1,113	^R 1,740	^R 2,900	^R 2,755	^R 3,770	^R 4,030	^R 4,960	^R 5,425	^R 5,735	5,735
School bus	486	707	1,219	^R 2,377	3,833	^R 5,722	^R 8,031	^R 9,889	^R 10,396	^R 10,353	10,326
Intercity, bus	559	629	799	1,016	1,709	1,989	1,750	1,481	1,472	^R 1,625	1,738
Total highway	^R 56,911	75,531	^R 100,562	R163,246	R286,814	^R 451,795	^R 538,384	^R 671,951	^R 686,248	^R 739,567	761,853
Air total ^c	3,555	5,682	10,565	18,851	38,135	50,319	^R 73,280	^R 81,360	87,027	R93,463	97,662
Rail total ^d	759	598	464	1,212	2,976	3,875	4,521	6,693	5,896	5,764	5,709
Water total (includes international)	281	345	287	294	304	^R 600	^R 1,386	^R 1,709	1,741	^R 1,180	1,153
Total passenger transportation expenditures	^R 61,506	82,156	^R 111,878	^R 183,603	R328,229	^R 506,589	^R 617,571	^R 761,713	^R 780,912	^R 839,974	866,377

KEY: R = revised; P = preliminary

Continued next page

Passenger and Freight Transportation Expenditures (Current \$ millions)

	1960	1965	1970	1975	1980	1985	1990	1995	1996	1997	P1998
Freight transportation expenditures											
Highway											
Local, truck Intercity	14,289	23,779	28,819	37,287	60,545	82,200	108,350	128,352	132,973	R _{138,727}	144,276
Bus	42	70	122	156	235	245	126	130	132	134	141
Truck	17,958	23,628	33,553	47,400	94,551	123,200	162,300	219,627	235,440	257,807	282,814
Total highway	32,289	47,477	62,494	84,843	155,331	205,645	270,776	348,109	368,545	R396,668	427,231
Air total (domestic and											
international)	354	708	1,171	1,838	4,013	6,817	13,706	R _{18,735}		^R 22,711	24,523
Rail total	9,028	9,923	11,869	16,509	27,858	29,150	30,067	R34,343	35,059	35,349	35,294
Water total	3,487	3,903	5,257	8,221	15,498	^R 18,448	20,121	^R 21,781	24,564	R _{20,992}	22,565
Oil pipeline total	895	1,051	1,396	2,220	7,548	8,910	8,387	^R 8,278	8,635	^R 8,607	8,656
Other total ^e	1,714	1,869	1,791	2,208	3,488	4,642	7,774	^R 9,342	9,907	10,590	11,100
Total freight transportation expenditures	47,767	64,931	83,978	115,839	213,736	^R 273,612	350,831	^R 440,588	467,107	^R 494,917	529,369
TOTAL passenger and freight transportation expenditures	^R 109,273	147,087	^R 195,856	^R 299,442	^R 541,965	^R 780,201	^R 968,402	^R 1,202,301	^R 1,248,019		1,395,746

^a Includes business expenditures for passenger cars.

SOURCES:

KEY: R = revised; P = preliminary

Passenger and freight: 1960, 1970-75: Eno Transportation Foundation, Inc., *Transportation in America*, 1998 (Washington, DC: 1998), pp. 40, 42.

1965: Ibid., *Transportation in America*, 1993 (Lansdowne, VA: 1994), p. 42 (Passenger only); and Transportation in America 1997 (Washington, D.C.: 1997), p. 40 (freight only).

1980-90, 1995-97: Ibid., Transportation in America, 1998, Supplement (Washington, D.C.: 1999), pp. vii-x.

1998: Ibid., Transportation in America, 1998, (Washington, DC: 1999), pp. 40, 42.

^b Includes federal/state operating subsidies, and federal capital grants. Beginning in 1994, includes taxes levied directly by transit agencies and local subsidies such as bridge and tunnel tolls, and nontransit parking lot funds.

^c Air includes aircraft and operating costs, plus domestic and international air passenger federal excise taxes.

^d Data from 1980 include federal/state/local operating subsidies and capital grants. Figures also include federal operating subsidies and capital grants for Amtrak and the Northeast Corridor.

^e Domestic freight forwarder's revenues after payment to live-haul carriers plus other shipper costs such as loading and unloading freight cars.

f Auto purchases and ownership data were completely revised in Transportation in America 1997, but data for 1965 and 1996 were not published in the current revised edition and are, therefore, not comparable to other years.

Table 3-8

Sales Price of Transportation Fuel to End-Users (Current ¢/gallon)

	1980	1985	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Aviation fuel (excluding taxes)												
Aviation gasoline ^a	108.4	120.1	112.0	104.7	102.7	99.0	95.7	100.5	111.6	^R 112.8	97.5	105.9
Jet fuel kerosene ^a	86.8	79.6	76.6	65.2	61.0	58.0	53.4	54.0	65.1	^R 61.3	45.2	53.8
Highway fuel												
Gasoline (including taxes)												
Leaded ^b	119.1	111.5	114.9	U	U	U	U	U	U	U	UU	
Unleaded premium ^b	N	134.0	134.9	132.1	131.6	130.2	130.5	^R 134.0	^R 141.0	^R 142.0	125.0	136.0
Unleaded regular ^b	124.5	120.2	116.4	114.0	112.7	110.8	111.2	^R 115.0	^R 123.0	R _{123.0}	106.0	117.0
All types	122.1	119.6	121.7	119.6	119.0	117.3	117.4	^R 121.0	^R 129.0	^R 129.0	112.0	122.0
Diesel no. 2ª												
(excluding taxes)	81.8	78.9	72.5	64.8	61.9	60.2	55.4	56.0	68.1	64.2	49.4	57.9
Railroad fuel												
Diesel	82.6	77.8	69.2	67.2	63.3	63.1	59.9	60.0	67.7	67.8	57.0	55.5

^a Sales to end users (those sales made directly to the ultimate consumer, including bulk customers in agriculture, industry, and utility).

SOURCES:

All data except railroad fuel: U.S. Department of Energy, Energy Information Administration, *Annual Energy Review 1999*, DOE/EIA-0384(97) (Washington, DC: July 2000), tables 5.20 and 5.22.

Railroad fuel: Association of American Railroads, *Railroad Facts* (Washington, DC: 2000), p. 60.

KEY: N = data do not exist; P = preliminary; R revised; U = data are not available

^b Average retail price.

Price Trends of Gasoline v. Other Consumer Goods and Services

	1960	1965	1970	1975	1980	1985	1990	1995	1996	1997	1998
Retail price of regular grade gasoline (¢/gallon)											
Service station price (excluding taxes) ^a	21.0	20.7	24.6	44.8	105.3	89.5	88.0	74.3	82.4	80.6	70.4
State and federal taxes ^b	10.1	10.5	11.1	12.4	13.8	22.0	26.9	40.4	40.7	42.8	41.5
Service station price (including taxes)											
Leaded	31.1	31.2	35.7	56.7	119.1	111.5	114.9	NA	NA	NA	NA
Unleaded	NA	NA	NA	NA	124.5	120.2	116.4	114.7	123.1	123.4	106.0
Consumer price indices (1982-84 = 100)											
All items	30	32	39	54	82	108	131	152	157	161	163
Food	30	32	39	60	87	106	132	148	153	157	161
Shelter	25	27	36	49	81	110	140	166	171	176	182
Apparel and upkeep	46	48	59	73	91	105	124	132	132	133	133
Motor fuel	24	25	28	45	97	99	101	100	106	106	92
Medical care	22	25	34	48	75	114	163	221	228	235	242

^a Calculated by subtracting state and federal taxes from service station price (including taxes).

SOURCES:

Retail price of regular grade gasoline except service station prices (including taxes): American Petroleum Institute, Basic Petroleum Data Book (Washington, DC: Annual issues), section VI, table 5, and similar tables in earlier editions.

Service station price (including taxes): U.S.

KEY: NA = not applicable

Department of Energy, Energy Information Administration, *Annual Energy Review 1998*, DOA/EIA-0384(97) (Washington, DC: July 1999), table 5.22. Also available at Internet site http://www.cia.doe.gov/pub/energy.overview/aer98/txt/aer0522.txt

Consumer price indices: Council of Economic Advisors, *Economic Report of the President* (Washington, DC: February 1999), tables B-60 and B-61. Also available at Internet site http://w3.access.gpo.gov/eop/

^b State and federal taxes are weighted averages computed by the American Petroleum Institute, based on gasoline sold in the 50 states.

NOTES: Data are reported monthly from January to December. The monthly indices, however, are available for fewer than 12 months for some years. In both cases, a simple average of the available monthly indices is reported for each year. Data are not seasonally adjusted.

SOURCE: U.S. Department of Labor,

KEY: R = revised; U = data are not available

Bureau of Labor Statistics, Internet site www.bls.gov/datahome.htm, as of May 12, 2000.

Table 3-11

Producer Price Indices for Transportation Equipment

	Base date	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Transportation equipment (SIC 37)	12/84	115.6	119.8	123.0	126.3	130.1	132.2	134.2	134.1	133.6	134.5
Motor vehicles and motor vehicle equipment (SIC 371)	12/84	113.0	117.4	120.5	123.8	127.5	129.1	130.4	129.0	127.7	128.3
Motor vehicles and passenger car bodies (SIC 3711)	06/82	119.9	125.3	129.1	133.2	138.0	139.1	140.4	138.7	136.8	137.6
Truck and bus bodies (SIC 3713)	12/82	125.4	128.1	131.1	132.8	136.8	145.5	149.9	153.5	155.3	157.0
Motor vehicle parts and accessories (SIC 3714)	12/82	108.9	110.3	111.0	111.7	112.0	113.5	114.0	113.1	112.6	112.0
Truck trailers (SIC 3715)	12/79	125.6	128.1	131.2	134.2	138.6	148.6	147.8	147.7	152.2	153.6
Motor homes built on purchased chassis (SIC 3716)	06/84	125.8	128.7	131.8	133.9	134.5	137.8	141.6	143.1	R145.0	147.6
Aircraft (SIC 3721)	12/85	116.0	120.4	124.3	128.6	132.9	137.3	140.5	142.3	R142.7	144.1
Aircraft engines and engine parts (SIC 3724)	12/85	112.6	117.9	123.6	125.7	129.0	130.9	133.4	134.8	R135.8	136.8
Aircraft parts and auxiliary equipment, NEC (SIC 3728)	06/85	116.3	120.3	124.9	128.0	130.7	131.7	136.3	139.0	R140.8	142.2
Shipbuilding and repairing (SIC 3731)	12/85	114.0	116.2	118.3	123.3	126.8	127.6	130.1	133.3	134.8	135.4
Boatbuilding and repairing (SIC 3732)	12/81	136.0	140.1	144.9	147.7	150.2	154.6	159.6	165.0	168.6	172.7
Railroad equipment (SIC 3743)	06/84	114.2	117.3	118.7	119.8	122.6	127.6	129.6	127.4	127.5	128.1
Motorcycles, bicycles, and parts (SIC 3751)	12/84	109.9	111.8	114.4	116.9	119.0	122.2	123.3	123.3	R124.2	125.5
Travel trailers and campers (SIC 3792)	06/84	118.1	120.1	122.2	123.2	124.7	127.2	129.0	129.6	_130.3	132.0
Transportation equipment, NEC (SIC 3799)	06/85	112.5	114.9	116.1	117.2	119.1	123.3	126.6	128.7	R131.3	132.2

NOTES: Bureau of Labor Statistics data are reported monthly from January to December. The monthly indices, however, are available for fewer than 12 months for some years. In both cases, a simple average of the available monthly indices is reported for each year. Data are not seasonally adjusted.

KEY: NEC = not elsewhere classified; R = revised **SOURCE:** U.S. Department of

Labor, Bureau of Labor Statistics, Producer Price Index Revision – Current Series, Internet site www.bls.gov/datahome.htm, as of May 12, 2000.

Table 3-12 Personal Expenditure

Personal Expenditures by Category (Current \$ millions)

	1960	1965	1970	1975	1980	1985	1990	1995	1996 ^R	1997 ^R	1998	1999
Transportation	42,900	59,100	81,100	130,200	238,400	372,800	463,300	574,100	594,600	623,700	647,400	705,500
Transportation as a % of total	12.9	13.3	12.5	12.7	13.5	13.8	12.1	11.6	11.4	11.3	11.1	11.3
Food and tobacco	89,200	108,800	154,600	238,200	376,200	497,300	672,500	780,400	834,100	866,300	907,400	963,800
Clothing, accessories, and jewelry	32,700	41,400	57,600	85,600	132,300	188,300	262,700	321,800	333,300	348,200	367,900	397,200
Personal care	5,600	8,100	11,800	16,700	26,600	39,100	57,300	71,800	71,600	76,100	80,500	86,000
Housing	48,200	65,400	94,000	147,000	255,200	407,100	586,300	750,400	772,500	809,800	855,900	906,200
Household operation	46,700	62,100	84,800	135,400	232,600	342,000	436,200	559,400	589,200	617,500	646,500	682,500
Medical care	22,100	34,100	60,000	107,900	206,400	366,700	615,600	875,000	932,300	977,600	1,032,300	1,102,600
Personal business	14,600	20,900	32,000	53,000	101,200	182,600	290,100	388,800	435,100	488,300	528,600	586,200
Recreation	18,500	26,800	43,100	70,500	116,300	185,900	281,600	404,200	429,600	457,800	494,700	534,900
Education and research	4,300	6,900	12,500	20,500	33,300	52,900	80,700	112,000	122,300	130,700	139,200	148,900
Religious and welfare activities	5,300	7,700	12,100	19,700	38,300	62,600	100,400	138,600	146,800	150,300	163,500	170,200
Foreign travel and other, net	2,100	2,900	4,500	4,400	3,500	7,500	-7,400	-22,700	-24,100	-21,800	-15,300	-15,400
Total expenditures	332,200	444,200	648,100	1,029,100	1,760,300	2,704,800	3,839,300	4,953,900	5,237,300	5,524,500	5,848,600	6,268,700
Disposable Personal Income (DPI) ^R	366,200	498,900	736,500	1,181,400	2,019,800	3,086,500	4,293,600	5,422,600	5,677,700	5,982,800	6,286,200	6,637,700
Transportation as a % of DPI ^R	11.7	11.9	11.1	11.2	11.8	12.1	10.8	10.6	10.5	10.4	10.3	10.6
SOURCES:						1998∙ Th	rid Survey of C	urrent Rusiness.	Internet site		KEY: R	= revised

SOURCES:

DPI: 1960-1999: U.S. Department of Commerce, Bureau of Economic Analysis, Table 209, Internet site http://www.bea.doc.gov, as of Dec. 14, 2000.

All but DPI: 1960-90: Ibid., personal communication.

1995-97: Ibid., Survey of Current Business (Washington, DC: August 1998), table 2.4.

1998: Ibid., *Survey of Current Business:* Internet site www.bea.doc.gov/bea/pubs.htm, table B.4.

1999: Ibid., Survey of Current Business (Washington, DC: October 2000), Vol. 80., No. 10, table B.4.

	1960	1965	1970	1975	1980	1985	1990	1995	^R 1996	^R 1997	1998
User-operated transportation											
New cars and net purchases of used cars	16,600	25,200	26,800	36,800	57,200	110,700	124,000	139,600	133,300	136,200	146,100
New and used trucks and RVs	610	1,280	2,700	7,700	11,800	40,800	56,900	79,700	84,300	87,200	101,400
Tires, tubes, accessories, and parts	2,500	3,500	6,100	10,300	17,900	24,300	29,400	36,200	38,700	39,700	41,700
Repair and rental	5,500	7,700	12,300	19,800	34,000	60,500	87,300	128,700	134,200	145,900	153,800
Gasoline and oil	12,000	14,800	21,900	39,700	86,700	97,200	109,200	115,600	124,200	126,200	112,900
Tolls	310	460	650	820	1,100	1,520	2,000	2,800	3,700	4,000	4,400
Insurance premiums, less claims paid	2,000	2,400	3,800	3,800	9,400	10,000	18,000	29,400	31,800	36,300	37,800
Total	39,500	55,100	74,200	118,920	218,300	344,900	426,900	531,900	550,200	575,600	598,000
Purchased intercity transportation											
Railroad	310	280	210	270	300	480	800	800	600	700	700
Intercity bus	290	380	530	740	1,400	1,350	R1,000	1,100	1,800	1,800	2,000
Airline	680	1,280	3,100	5,900	12,800	17,600	23,900	27,900	26,200	29,000	29,500
Other	35	54	182	390	910	1,720	2,800	3,300	4,700	4,700	5,100
Total	1,310	2,000	4,000	7,300	15,410	21,100	27,800	33,000	33,300	36,300	37,200
Purchased local transportation											
Mass transit system	1,420	1,450	1,810	2,100	2,900	4,200	5,200	6,000	7,700	8,100	8,400
Taxi	610	610	1,180	1,970	1,870	2,600	2,600	3,200	3,500	3,700	3,700
Total	2,000	2,100	2,990	4,100	4,770	6,800	7,800	9,100	11,200	11,800	12,100
Total transportation	42,900	59,100	81,100	130,200	238,400	372,800	463,200	574,100	594,600	623,700	647,400

NOTE: Numbers may not add to totals due to rounding.

SOURCES: 1960-91: U.S. Department of Commerce, Bureau of Economic Analysis, National Income and Wealth Division, personal communication, 1998.

1992-93: Ibid., Survey of Current

Business (Washington, DC: August 1997), table 2.4.

1994-98: Ibid., *Survey of Current Business*, Internet site http://www.bea.doc.gov/bea/pubs.htm, table B.4.

KEY: R = revised; RVs = recreational vehicles

Average Cost of Owning and Operating an Automobile^a (Assuming 15,000 Vehicle-Miles per Year)

	1975	1980	1985	1990	1995	1996	1997	1998	1999
Average total cost per mile (current ¢)	14.4	21.2	23.2	33.0	41.2	42.6	44.8	46.1	49.1
Gas and oil	4.8	5.9	5.6	5.4	5.8	5.6	6.6	6.2	6.9
Gas and oil as a % of total cost	33.4	27.9	24.0	16.4	14.1	13.1	14.7	13.4	14.1
Maintenance	1.0	1.1	1.2	2.1	2.6	2.8	2.8	3.1	3.6
Tires	0.7	0.6	0.7	0.9	1.2	1.2	1.4	1.4	1.7
Average total cost per 15,000 miles, (current \$)	2,154	3,176	3,484	4,954	6,185	6,389	6,723	6,908	7,363
Variable cost Fixed cost ^b	968 1,186	1,143 2,033	1,113 2,371	1,260 3,694	1,440 4,745	1,440 4,949	1,620 5,103	1,605 5,303	1,829 5,534

^a All figures reflect the average cost of operating a vehicle 15,000 miles per year in stop and go conditions.

NOTES: Changes in the way costs were calculated make it difficult to compare pre 1985 data with more recent years. Prior to 1985, the cost figures are for a mid-sized, current model, American car equipped with a variety of standard and optional accessories. After 1985, the cost figures represent a composite of three current model American cars. The 1999 fuel costs are based on an average price of \$1.285 per gallon of regular unleaded gasoline, weighted 20% full-serve and 80% self-serve. Insurance figures are based on per-

sonal use of vehicles driven less than 10 miles to or from work, with no drivers under 25 years old. Normal depreciation costs are based on the vehicle's trade-in value at the end of 4 years or 60,000 miles. American Automobile Association analysis covers vehicles equipped with standard and optional accessories including automatic transmission, air conditioning, power steering, power disc brakes, AM/FM stereo, driver- and passenger-side air bags, anti-lock brakes, cruise control, tilt steering wheel, tinted glass, emissions equipment, and rear-window defogger.

SOURCE: American Automobile Association, *Your Driving Costs* (Heathrow, FL: Annual issues).

b Fixed costs (ownership costs) include insurance, license, registration, taxes, depreciation, and finance charges.

Table 3-15a

Average Passenger Fares (Current \$)

	1960	1965	1970	1975	1980	1985	1990	1995	1996	1997	1998
Air carrier, domestic, scheduled service	33.01	34.13	40.65	53.64	84.60	92.53	107.86	106.66	110.37	114.10	114.08
Class I bus, intercity ^a	2.46	2.73	3.81	5.46	10.57	11.98	20.22	20.10	22.85	20.57	U
Transit, all modes ^b (unlinked)	0.14	0.16	0.22	0.27	0.30	0.53	0.67	^R 0.88	0.93	0.89	0.87
Commuter rail	0.64	0.71	0.84	1.04	1.41	2.85	2.90	3.13	3.25	3.30	3.28
Intercity/Amtrak ^c	4.22	3.92	3.19	12.96	17.72	26.15	38.51	39.03	42.54	44.31	43.98

^a Regular route intercity service.

SOURCES:

Air carrier, domestic, scheduled service: 1960: Civil Aeronautics Board, *Handbook of Airline Statistics*, 1969 (Washington, DC: February 1970), part III, table 2 (enplanements); part IV, table 2 (passenger revenue).

1965-70: Ibid., *Handbook of Airline Statistics*, 1973 (Washington, DC: March 1974), part III, table 2 (enplanements); part IV, table 2 (passenger revenue).

1975-80: Ibid., *Air Carrier Financial Statistics* (Washington, DC: Annual December issues), p. 1, line 3; and Air Carrier Traffic Statistics (Washington, DC: Annual December issues), p. 2, line 16 (passenger revenue/revenue passenger enplanements).

1985-98: U.S. Department of Transportation, Bureau of Transportation Statistics, Office of Airline Information, *Air Carrier Financial Statistics* (Washington, DC: Annual December issues), p. 1, line 3 (passenger revenues); *Air Carrier Traffic Statistics* (Washington, DC: Annual December issues), p. 2, line 16 (passenger revenue/revenue passenger enplanements).

Class I bus, intercity: 1960-90:

United States, Motor Carriers (Washington, DC: Annual issues), part 2.

1995-97: U.S. Department of Transportation, Bureau of Transportation Statistics, Selected Earnings Data, Class I Motor Carriers of Passengers (Washington, DC: Annual issues).

Transit and commuter rail: 1960-98: American Public Transit Association, *Transit Fact Book* (Washington, DC: Annual issues) (passenger fares/passenger trips).

Intercity/Amtrak: 1960-70: Association of American Railroads, *Railroad Facts* (Washington, DC: Annual issues).

1975-80: Amtrak, State and Local Affairs Department and Public Affairs Department, personal communication.

1985-98: Amtrak, *Amtrak Annual Report*, Statistical Appendix (Washington, DC: Annual issues) (transportation revenues/Amtrak system passenger trips).

Table 3-15b Average Passenger Fares (Chained 1996 \$)

	^R 1960	^R 1965	^R 1970	^R 1975	^R 1980	^R 1985	^R 1990	^R 1995	^R 1996	^R 1997	1998
Air carrier, domestic, scheduled service	192.03	181.93	177.59	174.16	184.39	143.77	133.24	109.68	110.37	110.59	108.33
Class I bus, intercity ^a	14.31	14.55	16.64	17.73	23.04	18.61	24.98	20.67	22.85	19.94	U
Transit, all modes ^b (unlinked)	0.81	0.85	0.96	0.88	0.65	0.82	0.83	0.90	0.93	0.86	0.83
Commuter rail	3.72	3.78	3.67	3.38	3.07	4.43	3.58	3.22	3.25	3.20	3.11
Intercity/Amtrak ^c	24.55	20.90	13.94	42.08	38.62	40.64	47.58	40.14	42.54	42.95	41.76

^a Regular route intercity service.

NOTE: BTS converted current dol-

KEY: R = revised; U = data are not available

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lars to chained dollars using a combination of deflators constructed from the Bureau of Labor Statistics' Consumer Price Index and the Bureau of Economic Analysis' chaintype price index.

SOURCES: See table 3-15a for data sources.

b Prior to 1984, excludes commuter railroad, automated guideway, urban ferryboat, demand responsive, and most rural and smaller systems.

^c Amtrak began operations in 1971.

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